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Patent AbstractGER 1999-07-08 19805015 **LENKSYSTEM****INVENTOR-** Bohner, Hubert, Dipl.-Ing. 71032 Boeblingen DE**INVENTOR-** Moser, Martin, Dipl.-Ing. 70736 Fellbach DE**APPLICANT-** DaimlerChrysler AG 70567 Stuttgart DE**PATENT NUMBER-** 19805015/DE-C1**PATENT APPLICATION NUMBER-** 19805015**DATE FILED-** 1998-02-07**DOCUMENT TYPE-** C1, PATENT SPECIFICATION (FIRST PUBL.)**PUBLICATION DATE-** 1999-07-08**INTERNATIONAL PATENT CLASS-** B62D00530; B62D00302; B62D00312; B62D00120; B62D00600; B62D00507; B62D00530**PATENT APPLICATION PRIORITY-** 19805015, A**PRIORITY COUNTRY CODE-** DE, Germany, Ged. Rep. of**PRIORITY DATE-** 1998-02-07**FILING LANGUAGE-** German**LANGUAGE-** German NDN- 203-0422-8823-3

The invention involves a Lenksystem for a not track-tied motor vehicle, whose steered vehicle wheels are merely action-wise interconnected with normal business with a Lenkhandrad over an electronic adjustable-speed order, that operates one Lenkstellantrieb a debit value handicap accordingly through the Lenkhandrad. At emergencies, a mechanical compulsory coupling becomes effective between

Lenkhandrad and steered vehicle wheels. For this purpose, a clutch beaufschlagte through feather strength closing, that lets itself open through Einspeisung of hydraulic pressure on a Verdroangeraggregat, is intended between Lenkhandrad and steered vehicle wheels. The clutch can be space-saving angeordnet at mechanism sharing of the mechanical compulsory coupling.

EXEMPLARY CLAIMS- 1. Lenksystem for a not track-tied motor vehicle, whose steered vehicle wheels in 1. at normal business with a Lenkhandrad over one itself constantly on correct function checking electronic adjustable-speed order action-wise interconnected is which regulates a Lenkstellantrieb connected with the steered vehicle wheels to their Lenkverstellung and to it with a Lenkwinkel operated by the Lenkhandrad. debit valuator as well as a Lenkwinkel operated with the steered vehicle wheels. Istwertgeber interconnected is and regulates also a hand strength plate connected with the Lenkhandrad to the simulation of a Lenkwiderstandes preferably and to it with a figurative dint between Lenkstellantrieb and steered vehicle wheels of grasping hand strength debit valuator as well as a figurative dint between hand strength plates and Lenkhandrad of grasping HandkraftIstwertgeber interconnected is, 2. at abnormal business as well as emergency business to the Lenkverstellung with a Lenkhandrad mechanically is compulsory-connected, in that a clutch open at normal business locks into one between Lenkhandrad and steered vehicle wheels of angeordneten mechanical Lenkgetriebeanordnung, marked through it, that a sensor (15) exists to the recording of the opened condition of the clutch (6). 2. Lenksystem after claim 1, marked by it, that the Lenkgetriebeanordnung one the steerable vehicle wheels assigned as well as neighboring mechanism, 3 ', 4, with an at the beginning of-page one and an exit-page wave part (34, 35) shows and the clutch (6) in a camp casing (31) of the wave parts (34, 35) or in one also the camps an at a wave part (34) of angeordneten gear as well as pinion's (4) extensive casing aggregate angeordnet is, unddao" the casing as well as casing aggregate a feather aggregate beaufschlagendes the clutch (6) in Schlieo"richtung (7, 45) as well as a hydraulic Verdroangeraggregat (8, 39, 42) with one as by virtue of-transferring part between clutch and feather aggregate of

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